

United States Government

Department of Energy

# memorandum

DATE: April 5, 2001  
REPLY TO: SC-224  
ATTN OF:  
  
SUBJECT: Department of Energy Review of the U.S. LHC Accelerator Project, May 14-15, 2001  
  
TO: Daniel Lehman, Director, Construction Management Support Division, SC-81

I would like to thank you for agreeing to have your office chair the next semiannual review of the U.S. LHC Accelerator Project. The review is scheduled for May 14-15, 2001, at Fermilab.

Since the November 2000 review, technical progress has been made at all three laboratories comprising the U.S. LHC Accelerator Project. A number of final engineering and production readiness reviews have been held internally to the program. There was concern at the November review regarding cost growth particularly at Brookhaven National Laboratory (BNL). The Project Management Office at Fermilab has devoted significant time to understand and control costs. The DOE Project Manager conducted a status review in February. You are being asked to review the current cost and schedule aspects of the project as well as all of its technical areas. In particular, please address the following questions in your assessment.


1. Evaluate the progress made by the U.S. LHC Accelerator Project at each of the three laboratories with respect to technical, cost, schedule and management issues since the last DOE review, with emphasis on the specific cost growth issues raised in the review report. Assess progress in controlling cost growth in the BNL magnet systems.
2. Review the estimate to complete and the remaining contingency in the project for each of the three participating laboratories.
3. Assess the potential effects of the announced and potential slips in the CERN LHC project on the U. S. LHC Accelerator project.

Dr. Bruce Strauss of this office, the U.S. LHC Accelerator Project Program Officer, will serve as Executive Secretary to the review committee. He will serve as point of contact for the Division of High Energy Physics. He can be called upon for assistance with reviewers and agenda and with arrangements for the review at (301) 903-3705 or [Bruce.strauss@science.doe.gov](mailto:Bruce.strauss@science.doe.gov).

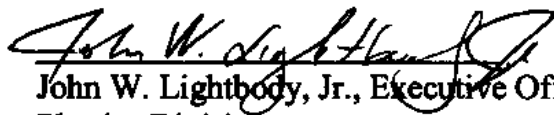
I would appreciate it if you could provide a report of your review to me no later than June 30, 2001.

Again, I wish to thank you for agreeing to chair this review. I look forward to receiving your committee's report.

---

  
Jr John R. O'Fallon  
Director  
Division of High Energy Physics

**I agree with the actions taken in this letter.**

  
John W. Lightbody, Jr., Executive Officer  
Physics Division  
Mathematical and Physical Sciences Directorate  
National Science Foundation

cc:

J. Decker, SC-1, SC-2  
M. Johnson, SC-3  
S. P. Rosen, SC-20  
T. E. Toohig, SC-223  
B. P. Strauss, SC-224  
J. Yeck, FRMI  
J. Dehmer, NSF  
L. Maiani, CERN  
L. Evans, CERN  
J. Marburger, BNL  
T. Kirk, BNL  
M. Witherell, Fermilab  
S. Holmes, Fermilab  
J. Strait, Fermilab  
C. Shank, LBNL